

AMENDMENTS TO THE SPECIFICATION

After the title of the invention, on page 1 of the specification, kindly insert the following paragraph:

This application is a U.S. National Phase Application of PCT International Application PCT/JP2005/002186, filed on February 8, 2005.

Please amend the paragraph beginning on page 8, line 17 as follows:

Decomposition of hydrocarbons by the action of a catalyst is considered to be proceeded in the following manner. Hydrocarbons frequently become high polymers and it is known that some kinds of them are decomposed when exposed to heat, light, radiation, and the like. Decomposition of a polymeric main chain such as a resin component includes a reaction called the depolymerization which can be regarded as a process reversal to the polymerization reaction. For example, polymethyl methacrylate used for a transfer film can be easily decomposed into a monomer by depolymerizing it at its transition temperature of 220°C. The term “transition temperature” here is defined as the temperature at which the speed of the ~~growth~~ polymerization reaction and that of the depolymerization reaction are equal. Namely, a catalyst starting polymerization also acts as a catalyst accelerating decomposition. The catalytic substances accelerating polymerization include Co, Mn, Zn, Ti, and Ni. Particular, Co, Mn, Zn, and Ti are mainly used for polycondensation, whereas Co, Ti, and Ni are used for addition polymerization. By addition of such substances, decomposition of hydrocarbons can be accelerated at lower temperatures.